

~~Magnetic Motor-~~
MAGNETIC MOTOR WITH MOVABLE ROTOR AND DRIVE MAGNETS

Field of the Invention

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The present invention is related to magnetic motors and more particularly to a rotating magnetic motor having a magnet recharging mechanism.

Background of the Invention

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DC magnetic motors having an armature supported between magnetic pole pieces are well known in the industry. While these magnetic motors have been utilized in small applications such as axillary motors, they often lack the necessary efficiency for driving larger machinery or assemblies.

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One example of a DC magnetic motor assembly is shown in U.S. Patent Number 5,365,134. This patent teaches a direct current motor formed by an armature interposed between opposing magnetizable members which are magnetized by permanent magnets or coils extending between the members. The magnets or coils are energized by a DC source. Elongated members are disposed normal to and connected with the respective magnetized member to form opposing pairs of opposite polarity poles disposed in diametric opposition on the armature.

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U.S. Patent Number 4,517,477 discloses a magnetic motor having a plurality of permanent magnets arranged to have spaced apart alternating opposite poles around the rotor. A stator magnet alternately attracts the first pole and repels the second pole of each sequential permanent magnet to cause rotation. Magnetic means defining a stator alternates between a first phase of attracting the first pole of a given magnet and a second phase of repelling the second pole of the given magnet. Timing means detect the position of the magnet and signal magnetic means for alternating between the first and second phases. The magnets may include spaced

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